

# Digital TV

## User's Manual v3.X

### Chapter 1 Digital TV Product Introduction

#### Introduction

Digital TV series allow you to watch digital TV & listen to Radio programs via PCI or USB interface devices. With Digital TV products, users are able to watch, record, and play back high quality digital TV programs on PC. Please read the instructions carefully before you begin the installation.

#### Features

- ✎ Digital TV and Radio Program Receiving
- ✎ Support Common Interface (For CI Model)
- ✎ NTSC / PAL / SECAM Analog TV (For Hybrid Device)
- ✎ Analog AV Capture Function (For Hybrid Device)
- ✎ FM Radio (For FM Device)
- ✎ HDTV Support (Up to 1080i)
- ✎ Support VGA DxVA Acceleration
- ✎ 4:3 / 16:9 / Full Screen Display
- ✎ OSD Mode Channel Information Display
- ✎ Video Adjustment
- ✎ PIP / POP Dual Screen Display (For Multi Tuner Device)
- ✎ Multi Language Audio Support
- ✎ AC-3 Audio SPDIF Output Option
- ✎ Favorite List

- ✎ Local Channel Number (LCN) (For Terrestrial and Cable Device)
- ✎ Classified Channel Management
- ✎ Unicode Channel Name Support
- ✎ Real Time Recording and Scheduling Recording (MPEG II)
- ✎ Recording One Channel When Watching Another Channel (For Multi Tuner Device)
- ✎ Image Mode Recording File Management
- ✎ Wake Up the System for Recording from S1 / S3 Mode
- ✎ Time-Shifting
- ✎ Electronic Program Guide (EPG) with Daylight Saving Time Support
- ✎ Teletext
- ✎ Teletext / DVB Subtitling
- ✎ Single / Multi Still Frame Picture Capture (BMP)
- ✎ Multi Free Channel Preview
- ✎ Parental Control Password (PCP)
- ✎ Easy / Advance Mode Channel Scan Setting
- ✎ Channels Scan by Country / Frequency Range / Auto (For Terrestrial Device)
- ✎ Transponder / Satellite Auto Scan (For Satellite Device)
- ✎ Antenna Utility
- ✎ Signal Strength / Quantity Indicator
- ✎ Off-Center Frequency Scan (For Terrestrial Device)
- ✎ 64 Bit OS Support
- ✎ DiSEqC 1.2 / USALS Approved (For Satellite Device)
- ✎ IR Remote Controller Support
- ✎ MPEG-II / H.264 Software Decoding
- ✎ User Friendly Interface
- ✎ Software Upgradeable

(Note: Some features are only provided by content provider, be sure to check if your content provider supports them or not.)

# Chapter 2 Installation

## Step 1: Activate Digital TV CD-ROM

After installing the DTV hardware device, insert the Digital TV driver CD into your CD-ROM drive, and click on “Install Software and Driver”.

## Step 2: Installation

Define the destination for the installation of DTV driver. Upon

the completion of the driver installation you will see the icon appearing on your desktop



## Chapter 3 Channel Scanning

You have to scan the channels before you watch TV programs. Please click on the scanning icon to find channel information as below:

### DVB-S

When there is only one LNB on your Satellite Dish, please connect Satellite signal to SAT input1; and Select Device#1 or #2's signal source as the LNB-in#1. However, you can also watch the second Satellite channel from the same transponder as the first Satellite Channel.



When there are two LNB ports on your Satellite Dish, please connect the first LNB signal to SAT input1, and the second SAT LNB signal to SAT input2; Set Device#1's signal source as the LNB-in#1, Device#2's signal source as the LNB-in#2

### DVB-T/Analog

When you have both DVB-T and Analog signals in one cable, please connect this cable directly into the T/A input#1.

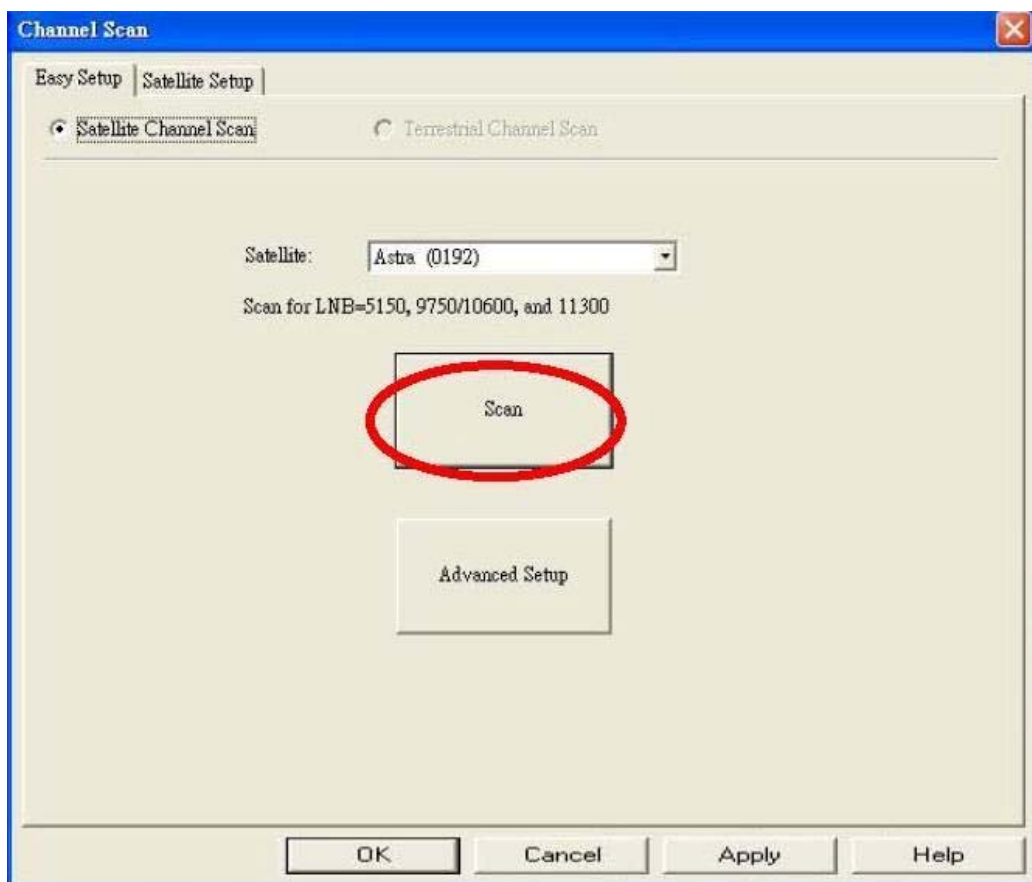
If you have one DVB-T cable, and one Analog cable, please connect the DVB-T cable to T/A input#1, and the Analog cable to T/A input#2. However, in this case, you can enjoy two DVB-T channels at same time, but not two Analog channels in the same time.



## 3.1 Satellite

### Step 3.1.1

Double click on DTV icon, you will see the Scanning Wizard on the screen. If you only have one LNB port and without the DiSEqC/USALS, please click on “scan” to find channels; if you have other equipments, please click on “Advanced setup”. For “*Easy Setup*” **please** choose the preferred satellite as the target and click on the “Scan” button. You may go to <http://www.satcodx.com/eng/> for more information.



#### “Advanced Setup” (satellite setup)

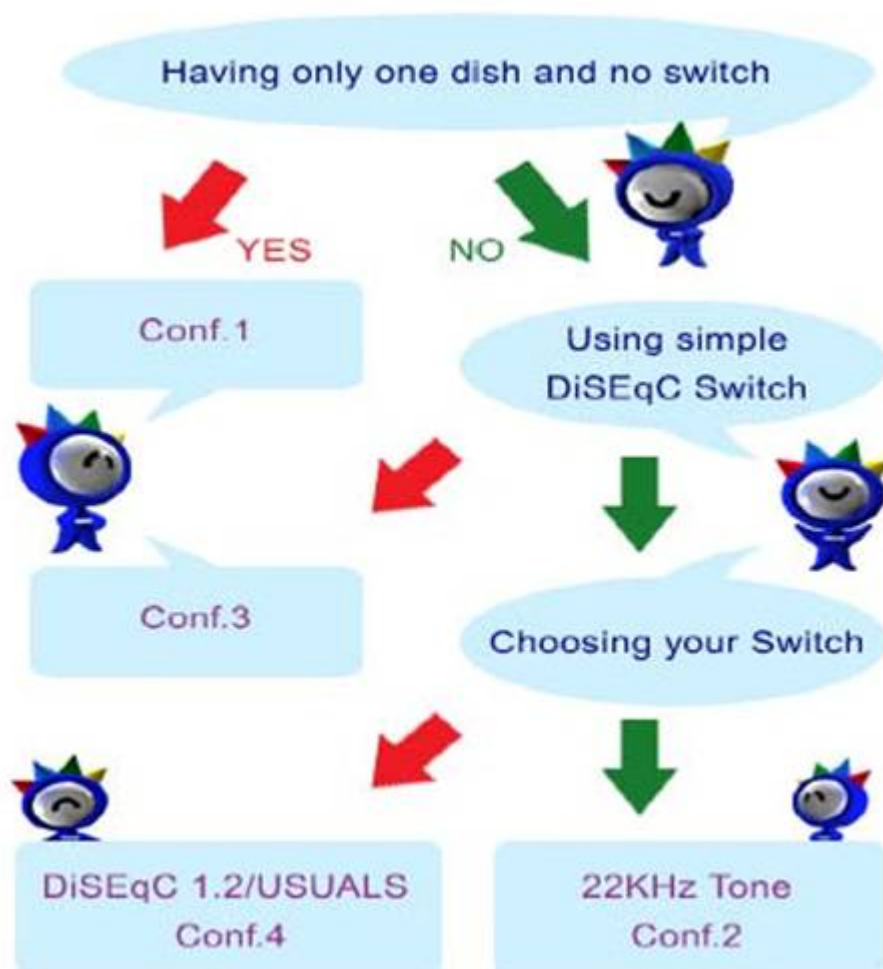
In “*Satellite Setup*” page, there are five options to help you set up your satellite: a. None b. 22 KHz, c. Simple DiSEqC, d. DiSEqC 1.0, and e. DiSEqC 1.2/USALS. Please choose accordingly.

**Note 1:** Remember to click the “*Apply*” button every time after you change the satellite setting.

**Note2: There are three types of LBN and** you must choose your LNB type in any situations. Below are the three types of LBN:

**a. Normal b. Universal c. Custom.**


If you choose “*Custom*”, you will need to fill in the parameters for LNB 1 and LNB 2.



### Configuration 1: None

If you only have one dish and LNB without motor, you may choose this option.

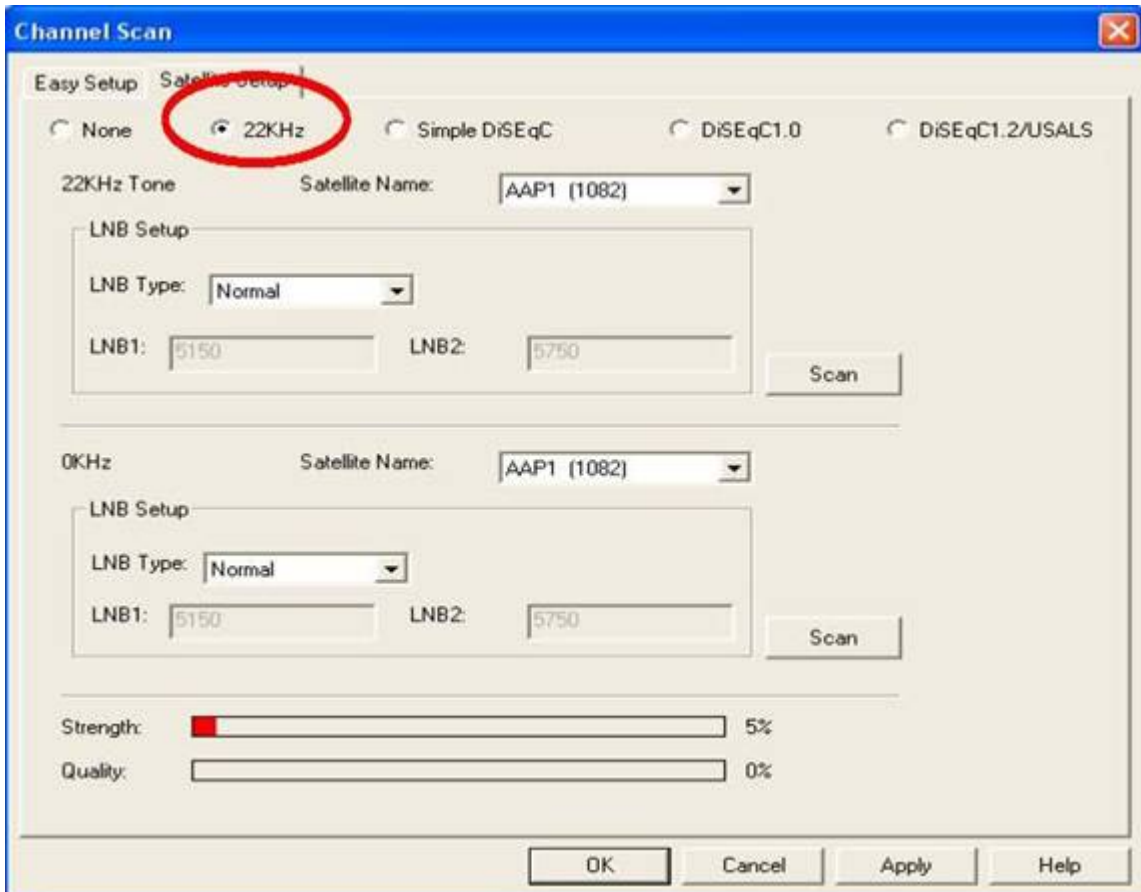
Please choose the satellite that you like to target and click on "Scan".



The image shows a "Channel Scan" dialog box with two tabs: "Easy Setup" and "Satellite Setup". The "Satellite Setup" tab is active. It contains several radio buttons for selecting a configuration: "None" (which is circled in red), "22KHz", "Simple DiSEqC", "DiSEqC1.0", and "DiSEqC1.2/USALS". Below these, there is a "Satellite" dropdown menu currently set to "Apstar (0765)". Further down are "LNB Power" (set to "ON"), "LNB Type" (set to "Normal"), "LNB 1" (set to "5150"), and "LNB 2" (set to "5750"). A "Scan" button is located to the right of the LNB 2 field. At the bottom, there are two progress bars for "Strength" and "Quality", both showing "0%". The dialog box has "OK", "Cancel", "Apply", and "Help" buttons at the bottom.

## Configuration 2: 22 KHz

Please choose a satellite you want to scan and the kind of LNB you want to use. Please click on “Scan” to start scanning satellite. Please repeat the step above for 0 KHz if necessary.



The screenshot shows the "Channel Scan" dialog box with the "Satellite Setup" tab selected. The "22KHz" radio button is highlighted with a red circle. The "Satellite Name" dropdown is set to "AAP1 (1082)". The "LNB Setup" section shows "LNB Type" as "Normal", "LNB1" as "5150", and "LNB2" as "5750". A "Scan" button is located to the right of the LNB fields. Below this, there is a section for "0KHz" with identical settings and a "Scan" button. At the bottom, there are "Strength" and "Quality" progress bars, both showing 0%. The "OK", "Cancel", "Apply", and "Help" buttons are at the bottom right.

**Channel Scan**

Easy Setup **Satellite Setup**

☐ None ☒ **22KHz** ☐ Simple DiSEqC ☐ DiSEqC1.0 ☐ DiSEqC1.2/USALS

22KHz Tone Satellite Name: AAP1 (1082)

LNB Setup

LNB Type: Normal

LNB1: 5150 LNB2: 5750 Scan

0KHz Satellite Name: AAP1 (1082)

LNB Setup

LNB Type: Normal

LNB1: 5150 LNB2: 5750 Scan

Strength: 5%  
Quality: 0%

OK Cancel Apply Help



### Configuration 3: Simple DiSEqC

Please select a satellite you want to scan and your LNB type. Click on the “Scan” button to start scanning the satellite. Please repeat the steps above for 0 KHz if needed.

The screenshot shows the 'Channel Scan' dialog box with the 'Satellite Setup' tab selected. The 'Simple DiSEqC' radio button is highlighted with a red circle. Below it, the 'Simple A' section is visible, showing 'Satellite Name' as 'AAP1 (1082)' and 'LNB Setup' with 'LNB Type' set to 'Normal', 'LNB1' at 5150, and 'LNB2' at 5750. A 'Scan' button is present. The 'Simple B' section is also visible with identical settings. At the bottom, there are 'Strength' and 'Quality' progress bars, both at 0%. The 'OK', 'Cancel', 'Apply', and 'Help' buttons are at the bottom right.

**Channel Scan**

Easy Setup | **Satellite Setup**

☐ None ☐ 22KHz ☒ **Simple DiSEqC** ☐ DiSEqC1.0 ☐ DiSEqC1.2/USALS

Simple A Satellite Name: AAP1 (1082)

LNB Setup

LNB Type: Normal

LNB1: 5150 LNB2: 5750 Scan

Simple B Satellite Name: AAP1 (1082)

LNB Setup

LNB Type: Normal

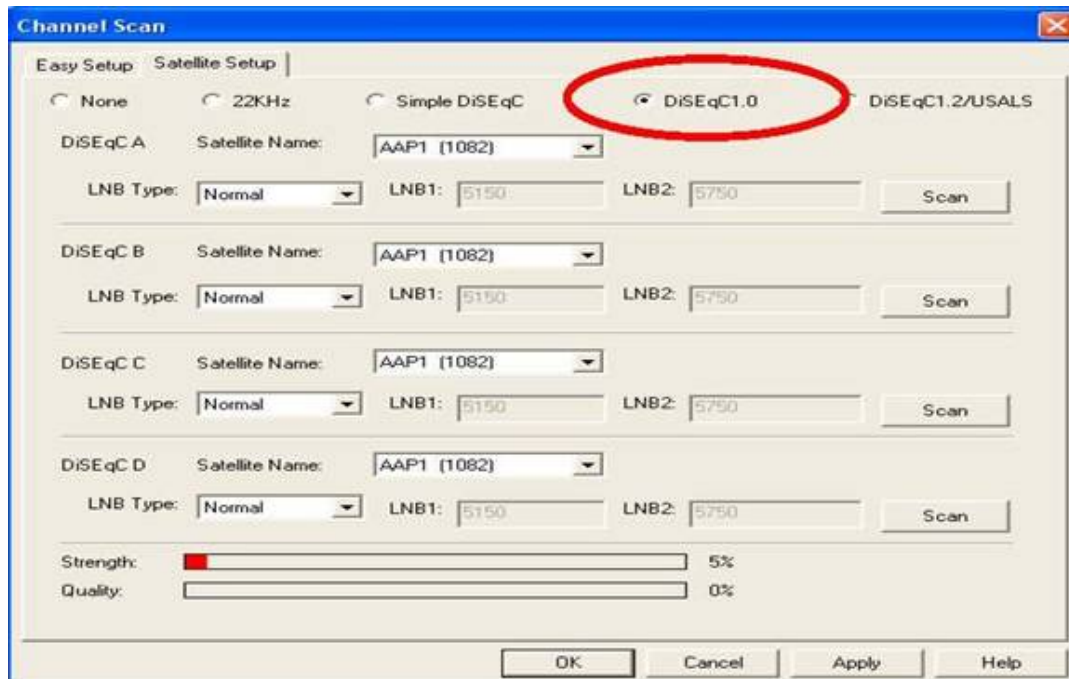
LNB1: 5150 LNB2: 5750 Scan

Strength: 5%  
Quality: 0%

OK Cancel Apply Help

## DiSEqC 1.0

Please choose a satellite that you want to scan and your LNB type. Please click on the “Scan” button to start scanning the satellite. Repeat the steps above for DiSEqC B, DiSEqC C, and DiSEqC D if needed. Please click on “Scan” to for scan for satellites.



The screenshot shows the "Channel Scan" dialog box with the "Satellite Setup" tab selected. The "DiSEqC 1.0" radio button is highlighted with a red circle. Below it, there are four sections for DiSEqC A, B, C, and D. Each section has a "Satellite Name" dropdown menu set to "AAP1 (1082)", an "LNB Type" dropdown menu set to "Normal", and two input fields for "LNB1" and "LNB2" both set to "5150". A "Scan" button is located to the right of each section. At the bottom, there are "Strength" and "Quality" progress bars, both showing 0%. The "OK", "Cancel", "Apply", and "Help" buttons are at the bottom right.

DiSEqC Type	Satellite Name	LNB Type	LNB1	LNB2	Scan Button
DiSEqC A	AAP1 (1082)	Normal	5150	5750	Scan
DiSEqC B	AAP1 (1082)	Normal	5150	5750	Scan
DiSEqC C	AAP1 (1082)	Normal	5150	5750	Scan
DiSEqC D	AAP1 (1082)	Normal	5150	5750	Scan

Strength:  5%

Quality:  0%

OK Cancel Apply Help

#### Configuration 4: DiSEqC 1.2/USALS

Please choose the satellites and select power "ON" for LNB power option. If you have USALS motor, please input the longitude and latitude values of your location. You may use the "Drive East" or "Drive West" functions to turn your dish facing towards the desired satellite.

The screenshot shows the 'Channel Scan' window with the 'Satellite Setup' tab active. The 'DiSEqC 1.2/USALS' option is selected and circled in red. The 'Static' section contains five satellite entries, each with a dropdown menu set to 'AAP1 (1082)', an 'LNB Type' dropdown set to 'Normal', and two 'LNB' frequency fields set to '5150'. The 'Motor' section includes input fields for 'Longitude' (11.9), 'Latitude' (45.0), and 'Degree' (-8.1), along with an 'Elevation' field set to 38.2. Action buttons include 'Drive East', 'Drive West', 'Set East Limit', 'Set West Limit', 'Cancel Limit', 'Goto Sat', 'Goto Zero', and 'Scan'. At the bottom, there are 'OK', 'Cancel', 'Apply', and 'Help' buttons. A 'Strength' bar is at 5% and a 'Quality' bar is at 0%.

Section	Item	Value
Static	Sat1	AAP1 (1082)
	LNB Type	Normal
	LNB1	5150
	LNB2	5150
	Sat2	AAP1 (1082)
	LNB Type	Normal
	LNB1	5150
	LNB2	5150
	Sat3	AAP1 (1082)
	LNB Type	Normal
Motor	Longitude	11.9
	Latitude	45.0
	Degree	-8.1
	Elevation	38.2
	Drive East	Button
	Drive West	Button
	Set East Limit	Button
	Set West Limit	Button
	Cancel Limit	Button
	Goto Sat	Button
Goto Zero	Button	
Scan	Button	
Strength	5%	
Quality	0%	

**Notes for USALS motor :**

You could get more information about the longitude and latitude of your location from this website – <http://www.bcca.org/misc/qiblih/latlong.html>

**Motor :**

The Functions of Motor Table	
Drive East	Turn motor to east
Drive West	Turn motor to west
Set East limit	Set the limit for East angle turning
Set West limit	Set the limit for West angle turning
Cancel limit	Cancel the default limit
Go to Sat.	Start turning motor to the satellite you have selected (for USALS Motor Only)
Go to Zero	Return motor to original (zero) point

**Note:** Please set up Sat2, Sat3, Sat4, and Sat5 by repeating the above steps.

**Step 3.1.2**

When the scanning is completed, you will see the summary window as shown below. It contains the TV and Radio channels that had been scanned and detected. Click on “OK” to finish this configuration.



## 3.2 Terrestrial (DVB-T/ATSC)

### Step 3.2.1

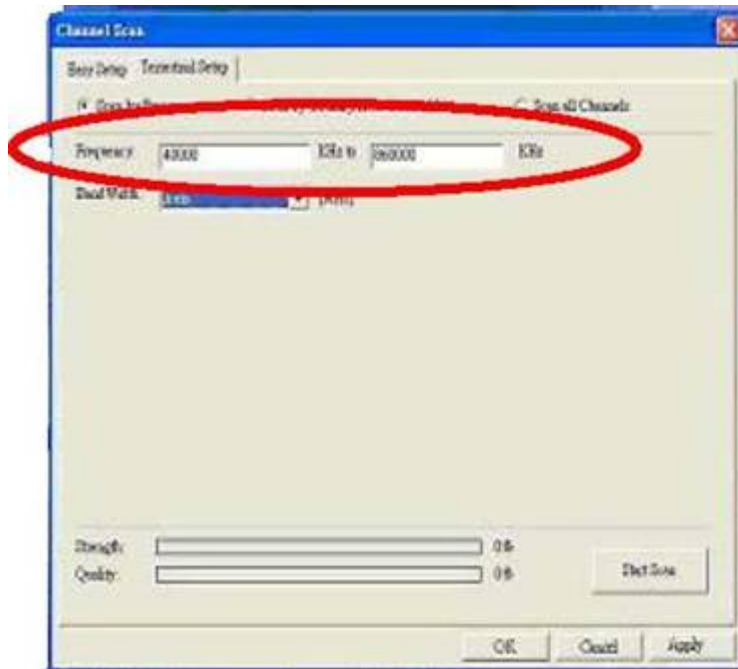
Double click on “DTV” icon and you will see the *Scan Wizard*. You may click on “scan” to search for more channels. If you have enough channels and would like to shorten the scanning time, you may choose the “*Terrestrial setup*”.

**Note1:** “Enable off-the-main-frequency (+/-167 kHz) scan”— Enables user to scan for related frequency. It will enlarge the frequency range and avoid losing channels.

**Note2:** “Enable LCN (logic channel number)” — Enables user to rank channels by local channel sequence.

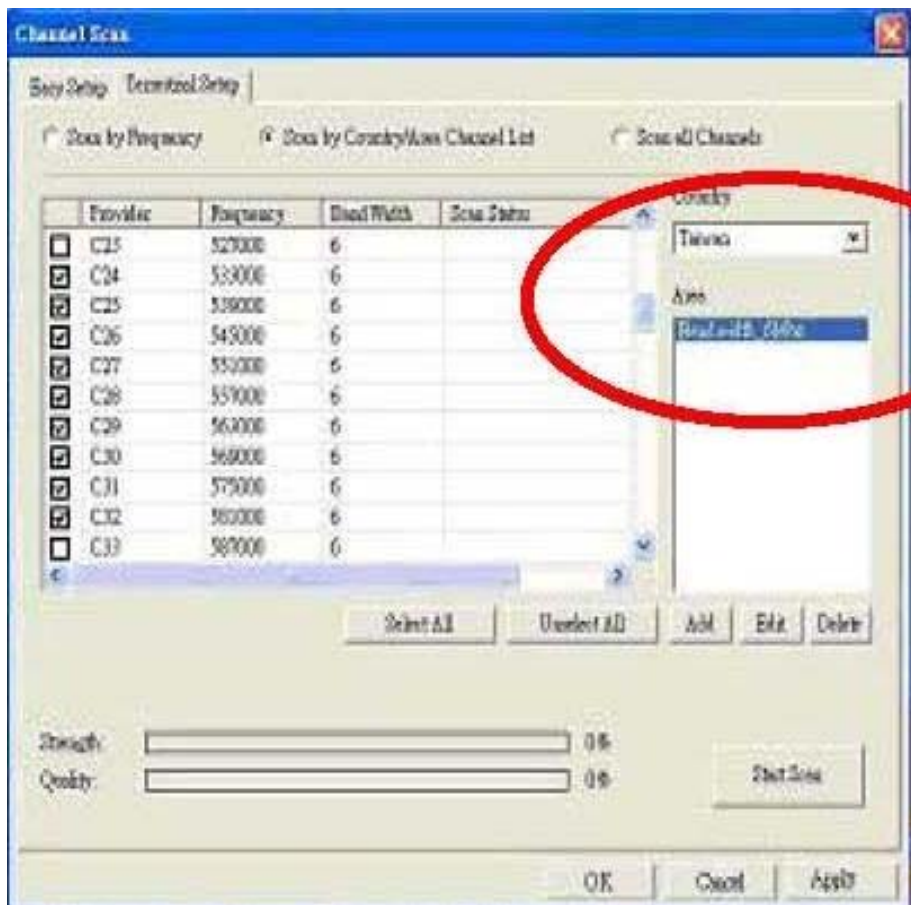
### Scan by Frequency

If you know the DTV frequency range of your location, please select “*Scan by Frequency*”. After you choose “*Scan by Frequency*”, this configuration window will pop up. Please fill in the correct values for frequency and bandwidth and click on the “*Start Scan*” button.



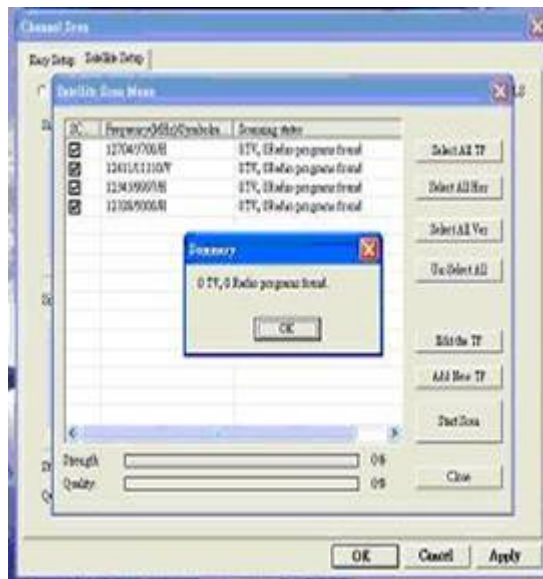
### **.Scan by Country /Area**

You can choose the area you are located in and verify the bandwidth the country adopts to scan for channels.



### Step3.2.2

When channel scanning is finished, this summary window will show up telling you how many TV and Radio programs had been scanned. Please click "OK" to close the summary dialog box and the information windows.



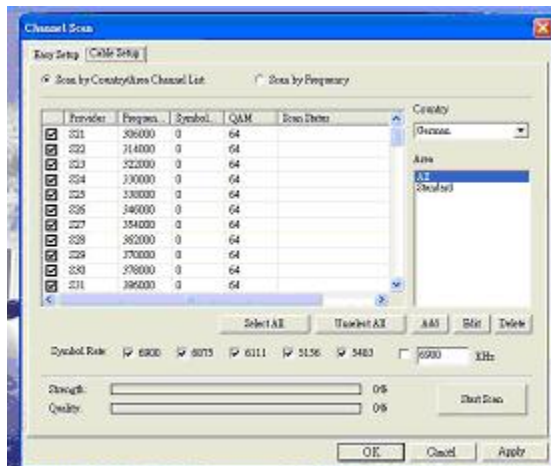
### 3.3 Cable

Double click on “*Digital TV*” icon and you will see the “*Scanning Wizard*”. You can choose between “*Scan by Area*” and “*Scan by Frequency*”.

#### Step3.3.1 Scan by Country/Area Channel List

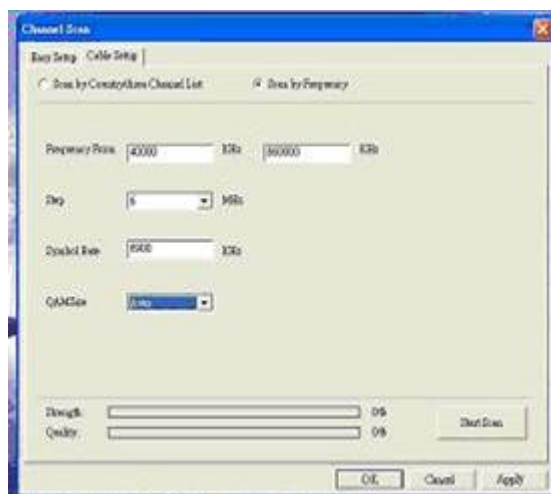
Please select the country and the area for channel scanning. There are six different symbol rates, please choose your symbol rate or fill in the number of the symbol rate (we suggest you to select all). After you have finished all settings please click on “*Start Scan*”.





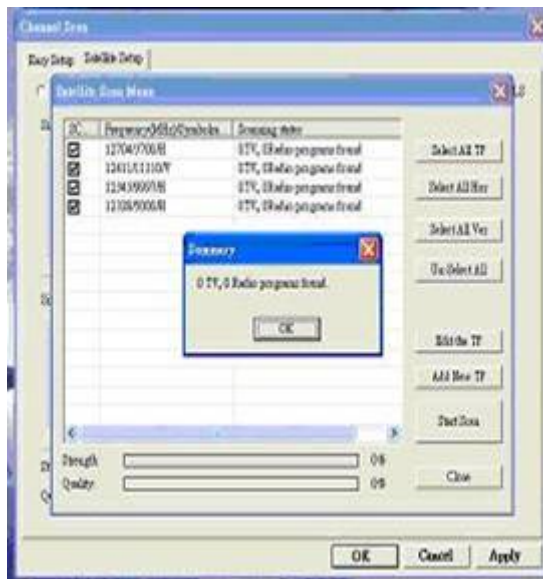
### Scan by Frequency

Click on "*Scan by Frequency*" and you will see this configuration setting page. Please fill in all information for channel scanning. After you finish filling the information, click on "*Start Scan*".



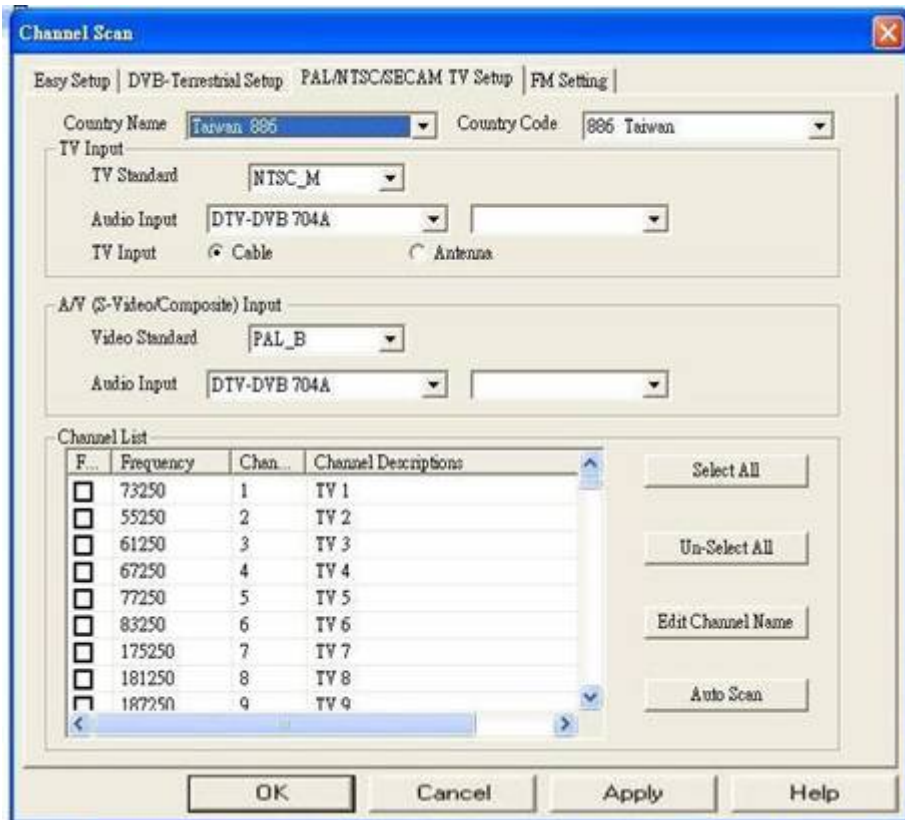
### Step3.3.2

You can see the summary message window when the scanning is completed. Please click on "OK" to close the '*Channel Scan*' configuration.



### 3.4 Analog

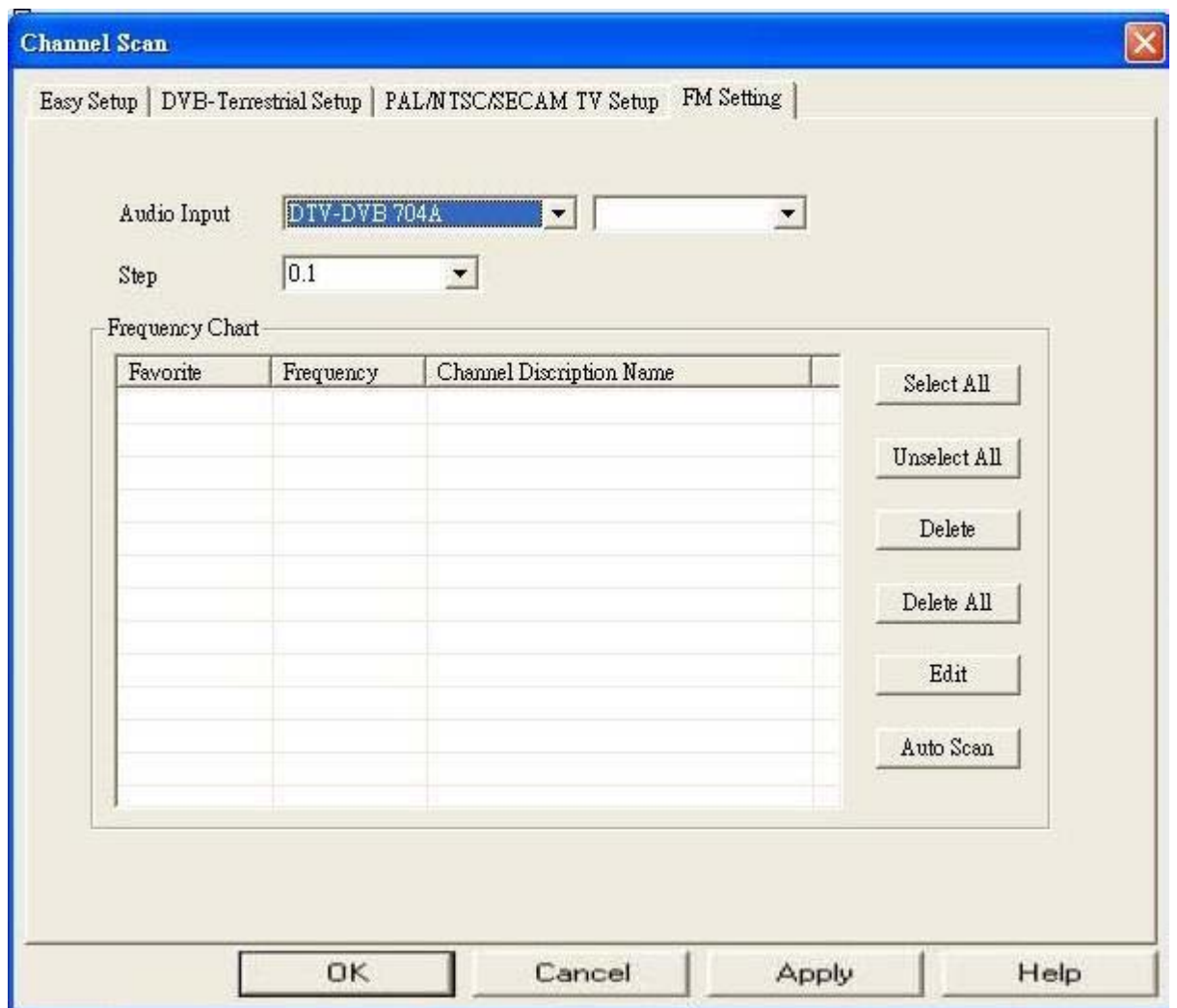
Please select Area/TV standard and TV input, and then click on “*Auto Scan*”.



### 3.5 FM setting

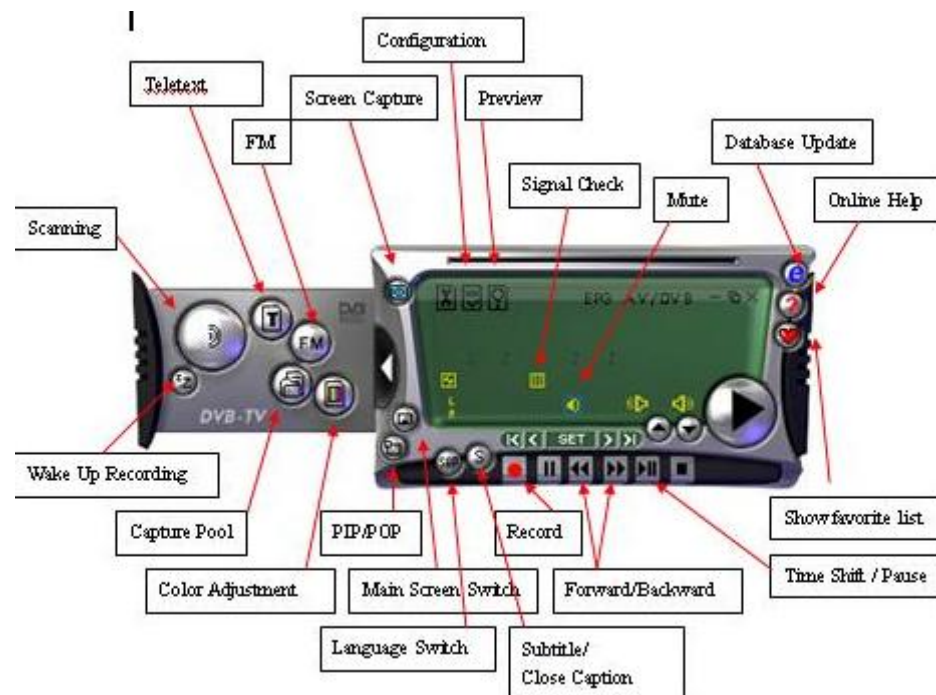
Tuning step: You may change Tuning scale to 0.1 or 0.05 to find FM channels

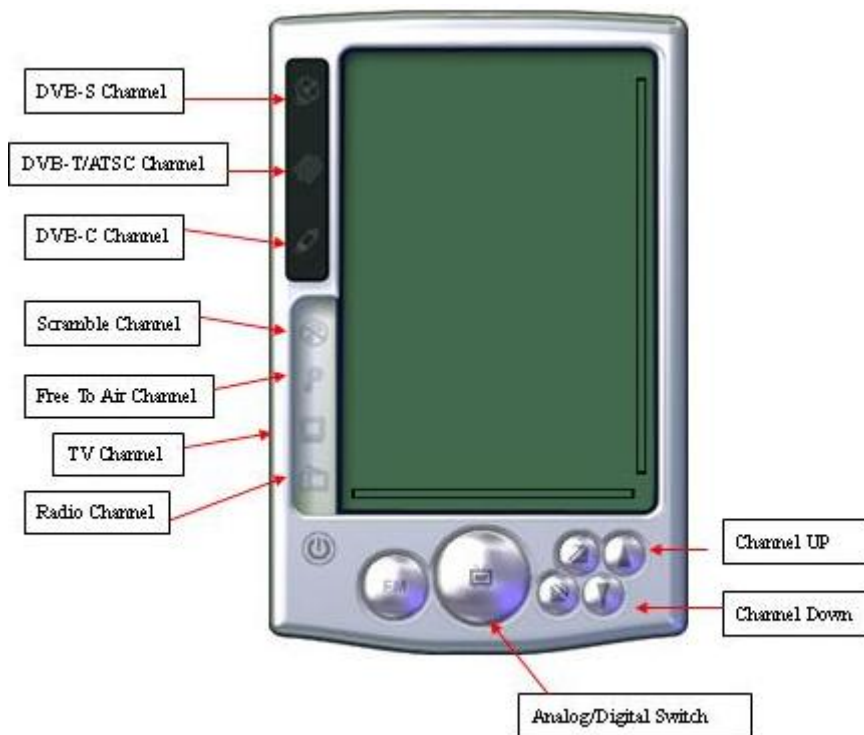
Reception sensitivity: You may change sensitivity to High and Medium to find good quality FM channels, or Low to receive all FM channels disregarding the quality.



# Chapter 4 Digital TV Application Programs

## 4.1 Control Panel Main control bar and control panel icons:





## 4.2 Functions

### Picture in Picture (PIP)/ Picture Out of Picture (POP) switch

If you have multi Digital TV products for your PC you can watch multiple TV channels at the same time.

You can select channels in the “*Channel list*” to pick channels that are available to you.



Then, you can click second channel in the "channel list" to play second channel.



You can watch and switch two channels at same time using the" POP (Picture Out of Picture) and PIP (Picture In Picture) functions.



PS: All software functions only work on Primary screen If you want to switch screen, please click the “*Video Windows Switch*”

PS: User can either have one channel recording or one channel Time-Shifting at the same time.

## Video Recording


You can record video by clicking on 

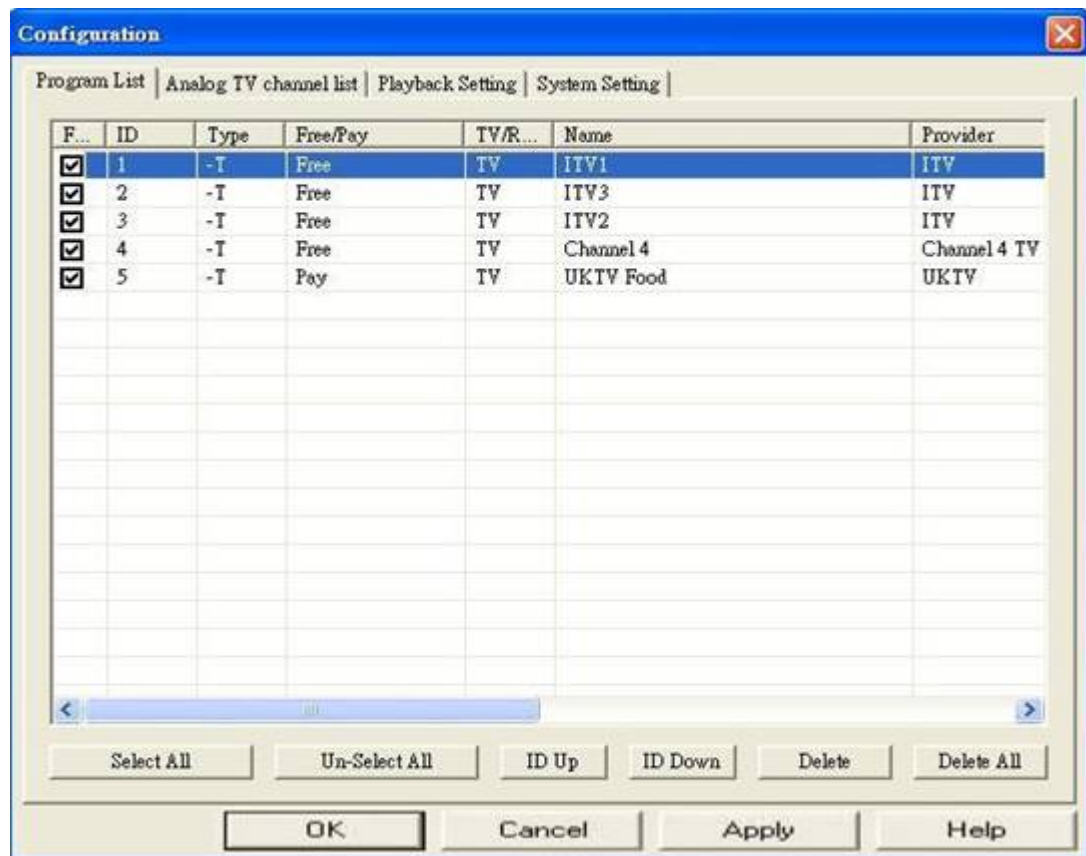
You may also choose between *Once/Daily/Weekly* for pre-schedule recording under *Record Mode*. Specify the date when pre-scheduling weekly recording.





## Wake up recording


Enter the record information in “*Recording Setup*” under the “RecordSchedule” page, and set your PC to sleep mode by pressing the button (“ hibernate”). By doing so the system will wake up 5 minutes before your schedule time.



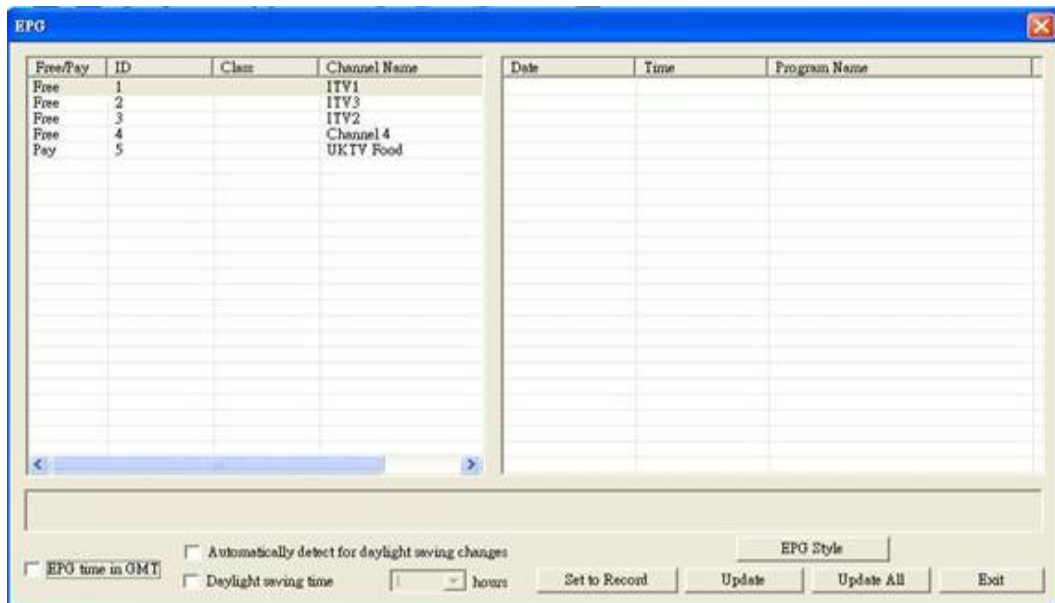
Note: Please make sure your system supports sleep mode and always

Set the scheduled recording timer to at least 5 minutes before the program's starting time.


## Electronic Program Guide (EPG)

You may find the TV guide information by clicking on 

You may also configure the time by clicking on the EPG button. (EPG is not available in all areas; Internet EPG is not available here)



## Multi-Language



Please click on  to change language. (SAP is not able in all channels)

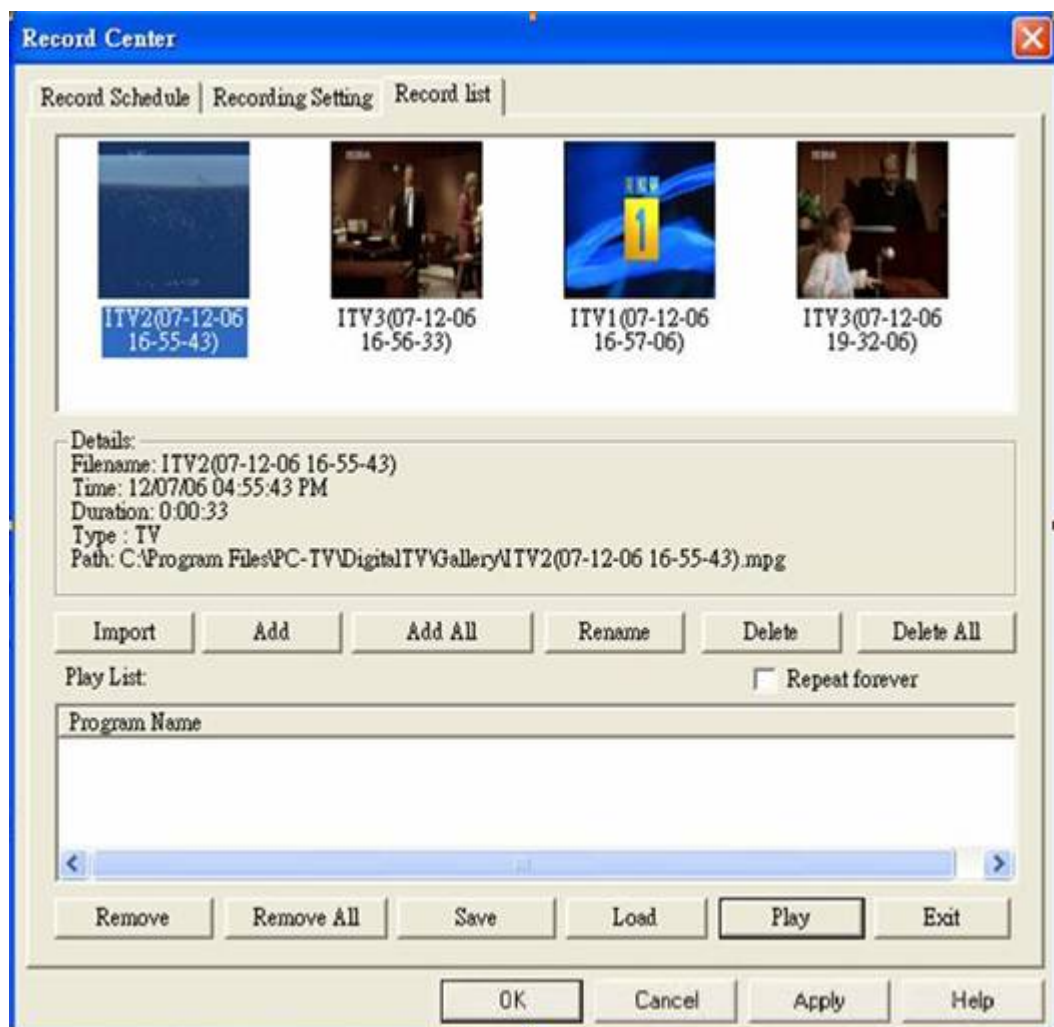
For *Teletext* You may click on  to look for Teletext information.




**Note:** Teletext does not support the UK DVB-T standard.

## Time-shifting


You may click on  to pause a real-time TV program, and resume it by double-clicking on The show will continue from where you stop it so you do not miss any part of the show.. (You may change time shifting space in configuration page).If you like to go back to the live program, click on  and it will stop the time-shifting function.

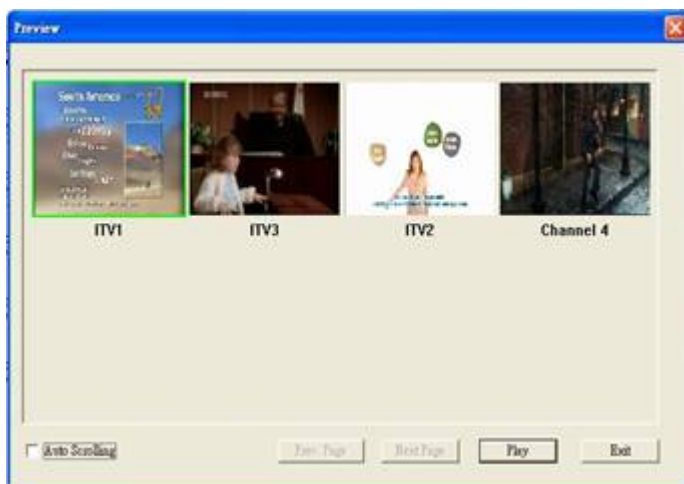


## Playback recorded file


You may click on  to open recording list to playback the recorded file.

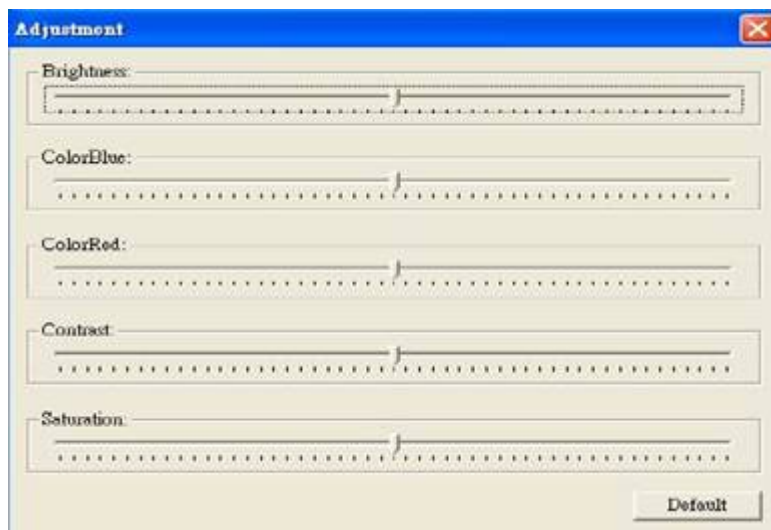
## Multi-Channel Preview

You may click on  to preview multiple channels at the same time. To watch the desired program just select it and click on “Play”. (You can only preview FTA channels from the same transponder.)



## Video adjustment

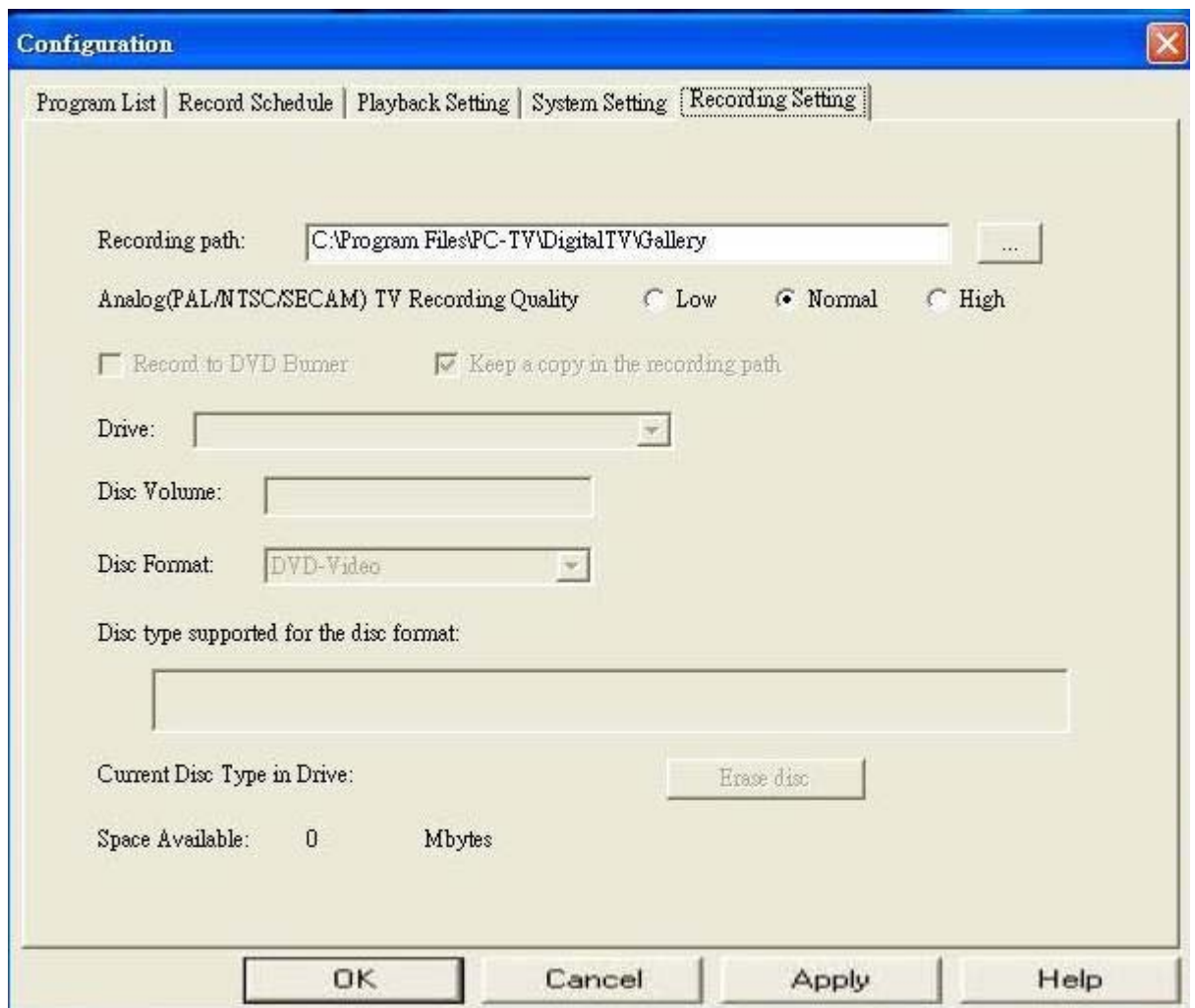
You may click on  to adjust the brightness, color, contrast, and saturation of the video image. (Digital TV only)



## 4.3 Configuration Page

### Recording Path

Select a file where you want to save the recorded files.



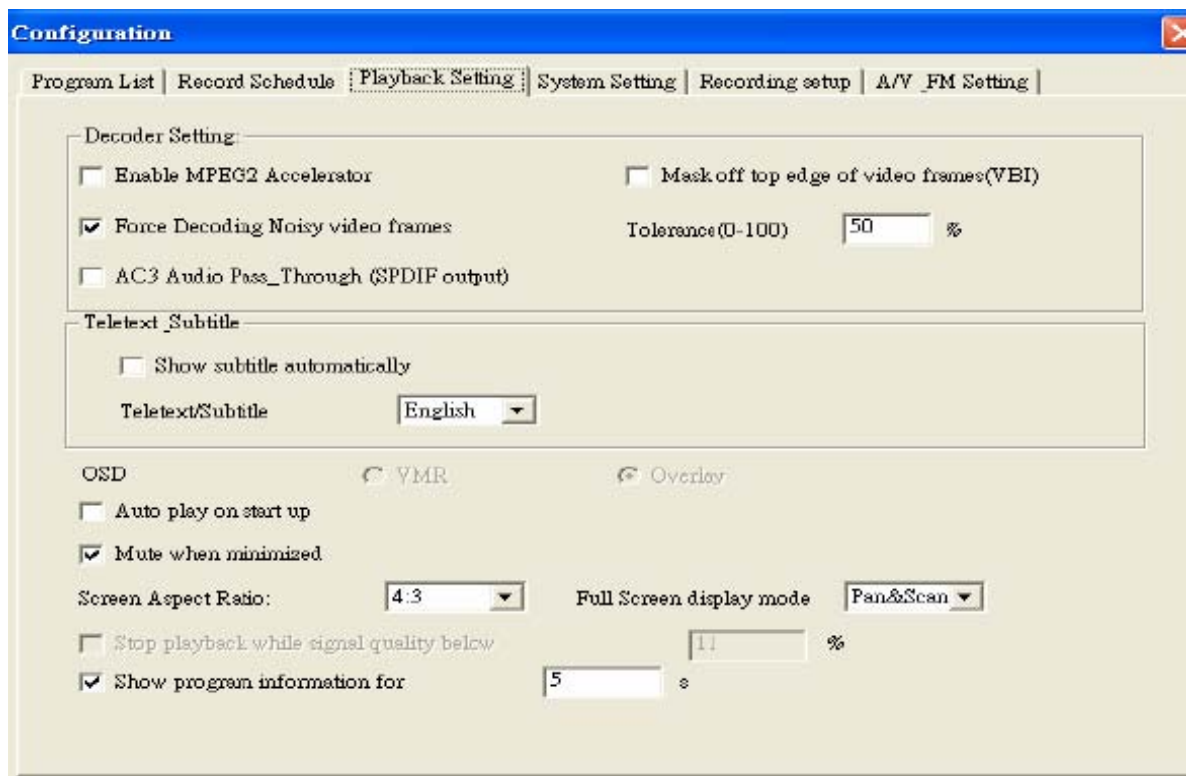
### Analog/Capture recording quality

You may set the Analog/Capture recording quality to high or low (higher recording quality takes more space)

### Playback setting

### MPEG2 accelerator setting

If your VGA card supports DxVA function, you may enable this function to reduce CPU's work load.



### VBI setting

If your TV program has pixel mixing in video edge, you may simply remove it by cutting it away.

### Force decoding noisy video frames setting

This feature allows user to force play TV programs with a bad reception

### AC3 Audio Pass-Through (SPDIF output)

If you have a Dolby sound card, you may enable this function to get 5.1 channel sound effects. (Not all TV programs carry Dolby sound)

### Subtitle setting

This feature allows subtitles to be turned on or off.



## OSD

Enables “*Auto play on star up*” and the OSD will appear on screen when you start the player.

### Auto play setting

Allows to play TV programs directly after launching the software

### Mute setting

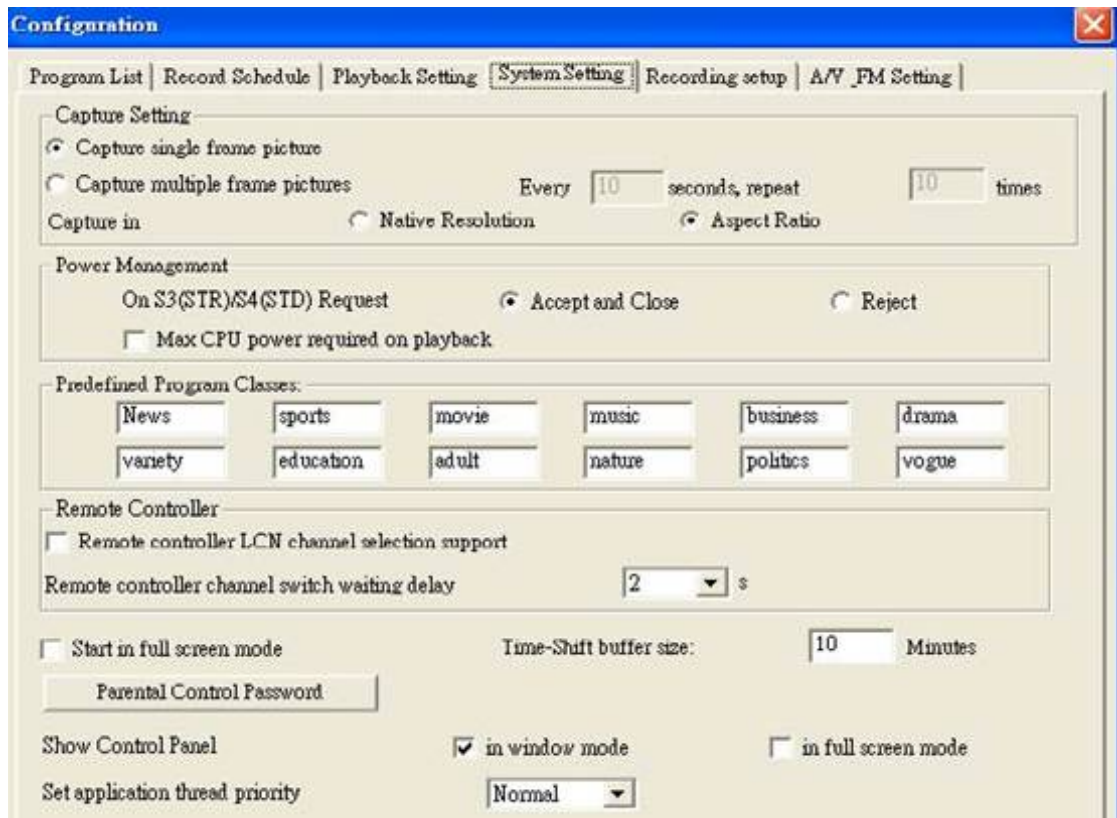
You may mute the show when software is in minimized mode

### Aspect ratio setting/ Full screen setting

You may set TV programs to display in different aspect ratios

### Stop playback while signal quality is low

You may stop playing TV program when signal strength is below a specific degree System setting



### Capture setting

You may select to capture signal or multiple frames in native resolution or aspect ration (small size picture) format. You can set time and interval for multi-capture.

### Power management

If you select the “*Reject*” mode, Digital TV will stop your system from going into hibernate mode.

### Predefined Program Classes

You may change the “*Predefined Program Classes*” to classify programs in “Program List” page.

#### Remote Controller LCN channel selection support

You may set remote controller to "*Logic Channel Number*" mode (Recommend for users in UK and France) or "Normal" mode (Recommend for users in other areas).

#### Remote Controller channel switch waiting delay 2 seconds

Channel changes 2 seconds after you press down on the button.

#### Start in full screen mode

You may select to start program as "full screen" mode or "normal size" mode

#### Time-Shifting buffer size

You may set the Time-Shifting feature to maximum; longer the time you set, bigger the disk space is required.

#### Parental control password

You may set password to specific channels to avoid children from viewing the adult programs. Password will be required when anyone attempts to view the encrypted channels.

#### Control panel setting

You may configure the size of the screen to " *Windows mode*" or "*Full screen mode*"

#### TV Application Priority

You may configure the TV playing software as the priority program to your PC. Other applications often take up a lot system resource, and playing video on PC generally requires most of the system's resource. By setting

the TV player application as the priority task will improve your video image quality.

## Recording setup


**Configuration**

Program List | Record Schedule | Playback Setting | System Setting | Recording setup | AV FM Setting

Channel Name	Start Date	Start Time	End Time	Record Mode

## 4.4 Right Click Menu

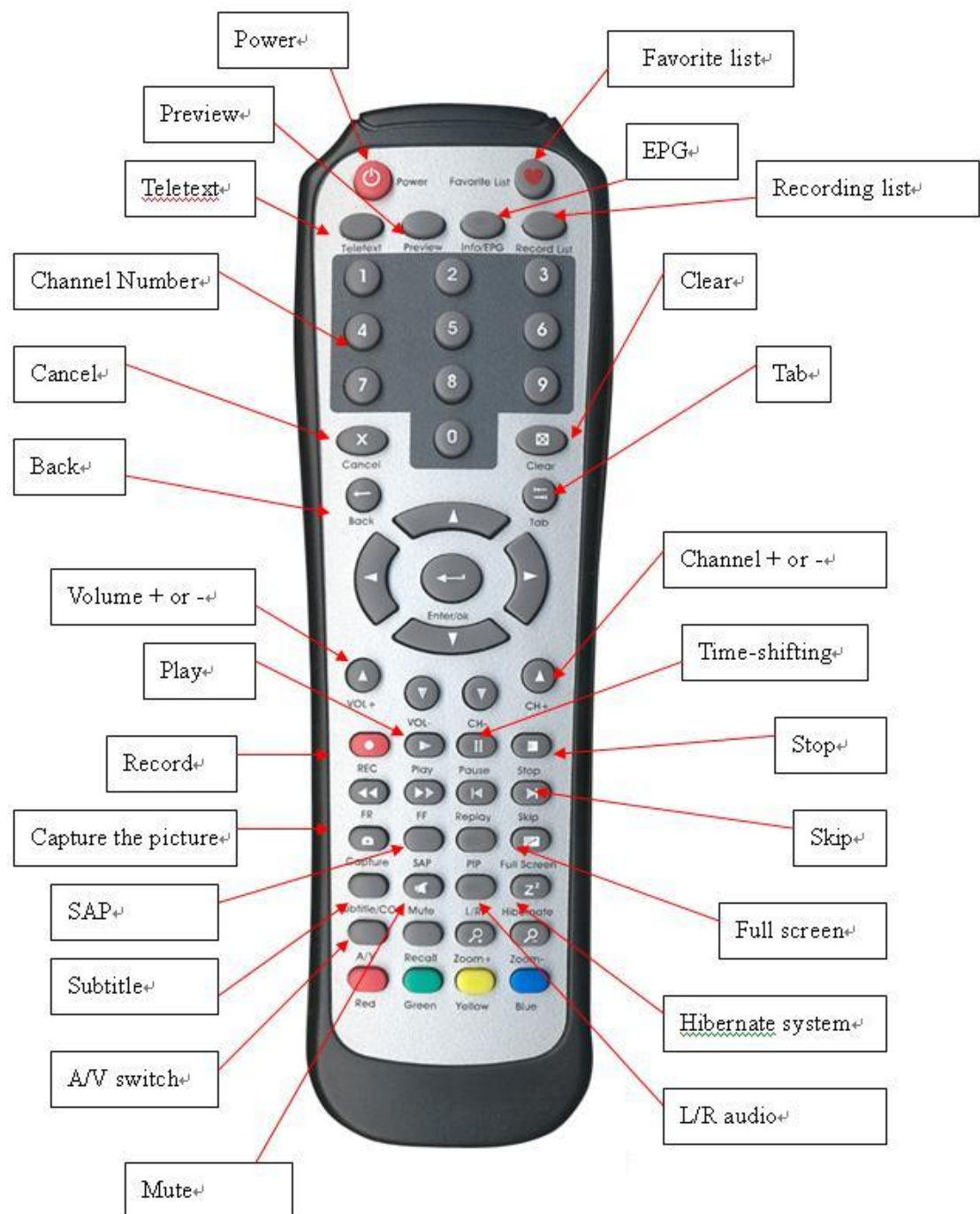
Right-click on your mouse over the Digital TV interface to open a pop-up menu:

	<p>Play: Plays video. Pause: Freezes the video you are currently watching. Stop: Ends the video you are currently watching. Record: Stores the video program you are currently watching. Rewind: Goes back to any point of the video. Fast Forward: Advances to any point of the video. Time Shifting: Start or pause the "Time Shifting" function</p>
	<p>Channel Up: Change to previous channel Channel Down: Change to next channel Last Channel: Change to the previous channel EPG: Show EPG window Preview: Multi-channel preview (only for FTA channels) Capture: Capture a still frame of the video Teletext: Show teletext window. Language: Change speaking language Apid (SAP): Switch audio from different sources Mute: Turn the sound off</p>
	<p>Configuration: Show configuration page Channel Scan: Show Channel Scan setting page. Record List: Open record list Favorite List: Open favorites list Control Panel: Show control panel</p>
	<p>Top Most: Always places Digital TV on top of other application</p>
	<p>About: Display version information of Digital TV.</p>
	<p>Exit: Turn off Digital TV.</p>

## 4.5 Keyboard Shortcuts

Function	Keyboard Shortcut
Play	Enter
Stop	End
Pause	Space bar
Full Screen	Z
Properties windows	O
Record	Home
Stop Record	End
Program list	L
Time Shifting	T
Channel up	Page up
Channel down	Page down
Volume up	Shift + Arrow up
Volume down	Shift + Arrow down
Help	F1
Key cancel	Esc
Key enter	Enter
Digital TV Exit	X
Mute	M
Right Speaker	Ctrl + R
Left Speaker	Ctrl + L
Favorites List	V
EPG	E
Preview	K
Fast Forward	F
Rewind	R

## Appendix 1 Remote Controller Key Definition



## **Appendix 2 Trouble Shooting**

### **General**

#### **1. Windows cannot recognize card correctly (for example: mistaken the DVB-T for a DVB-S):**

You may switch to a different PCI slot and try again. Please make sure that your PCI slot and the PCI card's pin area are clean

#### **2. Error message "Setting error! Fail to play the program!" or "Fail to play your program" shows up:**

Please check the driver of VGA card and sound card

Please make sure the hardware and software settings are correct, and try scanning again

Please install Microsoft DirectX9.0c and Media Player 9.0 or higher version

Poor signal quality could result in insufficient data rate and, sometimes, wrong data for the Digital TV..

If it is a pay-TV channel and you are not authorized to watch make sure to use the latest version of Digital TV software for decoder. Register C:\Program Files\PC-TV\Common\Bin\claud.ax and CLVSD-dtv.ax again with regsvr32.exe in C:\Windows\System32.

#### **3. Screen blacked out when playing, or playback freezes on first picture.**

Find and install the latest VGA driver and DirectX 9.0c, and check if other DTV players are installed, e.g. ProgDVB. If yes, remove them and uninstall all the filter drivers.

#### **4. What format of video does Digital TV record as? Why do I have problem with converting/burning this file?**

MPEG2. However, since some broadcasters have problems at Kpbs rate in their TS (which is over DVD format limit), you will need to use MPEG editing software to adjust the Kpbs rate.

#### **5. Error message "Hardware setting error"**

Please reinstall the driver.

#### **6. Video can be played but Audio failed.**



Please check the sound card or the volume setting.

**7. Can I view and record different channels at the same time?**

Yes, but the channels must be from the same transponder.

**8. Why my EPG, Teletext and Subtitle cannot be shown?**

In some areas, the broadcasters do not provide the services above.

Please contact you broadcaster for more information.

**9. Cannot find driver for R/C receiver.**

Please re-plug the receiver or change to a different USB port. You do not need to install additional drivers because it will install the built-in HID driver in your OS.

**10. Remote control does not work**

Check whether there are batteries inside. Then, check remote receiver: The red light on receiver will remain ON while it is getting signal from the remote control. Also, your remote control must point at the receiver when in use.

**11. How do I use Product with MCE 2005?**

Please use BDA driver to run MCE2005.

**12. Why can not I watch two different channels for my 3070/6090/6050?**

You may have wrong input setting for your configuration, please go to chapter 3 to check.

**Satellite**

**1. Why can not I lock any channels when auto-scanning?**

Please click on "Apply" button after you change any settings in "Dish Setup", and then scan satellite or transponders.

Check whether the dish aims at the right satellite.

■ Check the cable connection between Digital TV device and the dish.

■ Please note that the cable should be connected to "LNB In" F-connector of the card.

Set LNB power on to supply power to LNB. Note that most LNB need power supply from tuner.

Check whether the voltage for LNB is correct. (18V-21V for Horizontal or 11V-14V for Vertical)

Check the settings of satellite; for example, LNB frequency is for C band or Ku band.

Check the switch settings in "LNB - Switch" setting in "Configuration".

Please re-insert the Digital TV device to another PCI slot or USB port.

## **2. When the dialog "Unlock!" pops up, you can...**

check the setting of polarization (H or V);

check the cable connection between Digital TV device and the dish.

Please note that the cable should be connected to "LNB In" F-connector of the card.

## **3."22 KHz error" and "LNB Power Open Error"**

Make sure that your Digital TV Sat/Sat-CI Card Driver was installed. (From device manager)

Please note that any other TV tuner card equipped with Conexant BT878 can not be installed in the PC at the same time. Please remove other TV tuner card and its driver.

Re-insert the Digital TV Sat/Sat-CI Card to another PCI slot. The previous PCI slot might be damaged.

Clean up the golden finger of the Digital TV Sat/Sat-CI Card by pencil eraser.

## **4. Why cannot I receive 18V program?**

The LNB is 13V vertical LNB. IRD only receives 13V Program, Digital TV only receive 18V Program. LNB is biased 2 cm. Please adjust the LNB or contact the dish installer for service.

## **Terrestrial**

### **Why cannot I lock any channels when auto-scanning?**

Check whether the antenna connects to the device correctly. Check whether the signal in your area is strong enough.

## **ATSC**

### **Where can I get Air Digital TV Channel information?**

<http://www.checkhd.com/>